Author Index to Volume 26 (1981)

1-96 JAN 97-192 FEB 193-296 MAR

297-400 APR 401-504 MAY 505-616 JUN 617-704 JUL 705-824 AUG 825-928 SEP 929-1040 OCT 1041-1208 NOV 1209-1368 DEC

Aber, Robert C 127 Arnson, Larry A 221 Astravas-Perrault, Sigute 45 Avery, Wilbur G 963 Ayoub, Adel H 763 Bachman, Robert J 1234 Bageant, Robert A 1255 Baigelman, Walter 754 Baker, Deborah E 978 Banaszak, Edward F 1262 Bancroft, M Lee 339 Barnes, Thomas A 580 Berdischewsky, Myron 53, 682 Berman, Lawrence S 857 Bowen, Paul 74 Bowerbank, Jon 795 Braman, Sidney S 739 Branch, Laurie 578 Brown, Röbert A 983 Burstein, Lorraine 574 Byron, Michael R 442 Cane, Roy D 130 Chmura, David 41 Clark, Justin S 757 Clark, Robert A 255 Cohen, Aaron 553 Cole, Jeremy 53, 682 Conine, Tali A 871 Conley, Joseph M 336 Cooper, Robert B 1105 Cox, Paul M Jr 1238 Craig, Ken C 860 Creagh, C Edward 430 Crowthers, Gary A 1240 Cutler, Christopher A 757

Dabe, Kim 35 Darin, John 228 Davis, James EP 133 deBruyn, Terrance L 1240 Demers, Barbara S 795 Demers, Robert R 69, 644, 739, 875, 1091 DeSessa, Paul C 653 Dixon, Robin J 221 Downs, John B 69, 133, 331, 449, Doyle, Hugh J 857 Draper, Kenneth E 69 du Moulin, Gary C 339 Dutcher, Edith J 41 Earl, John W 1231 Einstein, Hans E 563 Elliott, C Gregory 795 Epstein, Michael F 553 Evans, Juli H 871 Evans, Robert N 1231 Ever, Ronald O 795 Farrell, Dennis 74 Fitzmaurice, Mary Watson 580 Flournoy, DJ 69 Fluck, Robert R Jr 371 Frantz, Ivan 553 Frazier, Magaret 1262 Fried, Jacob L 133, 681 Gedeon, Andras 1010 Gee, J Bernard L 997 George, Ronald B 371 Gertel, Morris 363, 795, 798 Geyer, Joyce R 130 Girard, Anne-Marie 578

Goodrich, Carey C 269 Goodworth, Ron 577 Gröschel, Dieter HM 1255 Guilfoile, Tim 35 Halpin, Michael S 557 Harman, Pamela O 130 Harrison, Calvin H 1167 Hazaleus, Ruth E 53, 682 Hebert, Richard C 653 Hedley-Whyte, John 339 Heebink, Denise M 63, 245, 351, 453, 991, 1161, 1275, 1278 Heenan, Thomas J 133 Helmholz, H Frederick Jr 637 Hingston, Diane M 739, 1091 Hodgkin, John E 657, 880, 1095 Hoff, Brian H 437 Howard, William R 578 Hughes, Richard L 985 Hyler, Donna L 1255 Irwin, Richard S 644, 739, 875, 1091 Jackson, Michael 578 Kavanaugh, John C 983 Kellogg, Valerie A 1255 Kittredge, Philip 33, 125 Klain, Miroslav 427 Kreager, Garth 363 Kszystyniak, Barbara A 1007 LeBouef, L Lynn 580 Lebowitz, Leon C 798 LeDuc, Roger 74 Lee, Geoffrey L 375 Lekholm, Anders 269, 680 Lilly, Kevin 754

Little, Linda 639 Long, Joanne 1269 Lopez, Brad 880 Loudon, Robert G 767 MacDonell, Robert J Jr 966 Marquis, Neil H 1238 Marsik, Frederic J 1255 Masferrer, Ray 1089 Masud, Khan Z 442 Mathewson, Hugh S 791 Maxwell, Christopher 269 McDowell, James W 649, 963 McLaughlin, Arthur J Jr 41, 333 Mebius, Claes 1010 Melendez, Bill 1238 Merringer, Jeff 577 Misuraca, LeRoy 1240 Moes, Scott 795 Monast, Ray 577 Moran, Robert F 538 Myers, James R 739 Nielsen-Tietsort, Judy 430 O'Donohue, Walter J Jr 985 Olesen, Craig L 1010 Ozechowski, Ed 798 Paluch, Bernard R 269, 680, 1010 Pearce, Leslie 754 Petit, Parker H 74

Petty, Thomas L 961, 1009, 1169

Pierce, Alan K 746

Pierson, David J 56

Plumlee, Charles J 69 Plunkett, Patrick F 45 Poole, Bonnie 430 Popa, Valentin T 547 Pratter, Melvin R 644, 739, 875, 1091 Proto, Anthony V 255 Quintin, Luc 363 Rau, Joseph L Jr 221 Repsher, Lawrence E 430 Richards, Don 1009 Riley, Edward J 1169 Rokosky, Joanne Schnaidt 905 Rosen, Laurence 437 Ruehlow, Sally Kay 1236 Ryan, Helen 578 Sadowsksy, H Steven 130 Said, Sami I 660 Salisbury, Sherrill A 1236 Salter, Peter A 679 Scharf, John H 175 Schmidt, C DuWayne 795 Scott, William 333 Shapiro, Barry A 220, 655, 983 Silage, Dennis A 547 Silberstein, Edward B 255 Slavin, Richard E 553 Smith, David J 336 Smith, GJW 997 Smith, R Brian 437 Sommer, Blane D 679 Spitz, Harold B 255

Stanton, Bonnie L 56 Steffee, Ronald L 69 Steffee, Shirley Ann 675 Steinberg, Harry 682 Stenzler, Alex 682 Swartzman, Sheila 437 Sweeney, John F 799 Teasley, Alvin 963 Thompson, Karen H 978 Thompson, Steven L 978 Thompson, Timothy Dale 577 Tibbs, Diana 795 Tino, Christopher 375 Travers, Howard 1249, 1262 Vasconcelos, Robert 963 Vinz, Tari 1262 Walker, Walter 74 Wallace, William Dean 757 Walton, John R 372, 1253 Wambach, Michael W 681 Ward, Jeffrey J 1321 Weiss, Susan M 547 Wesley, Ralph E 557 West, George A 737, 1269 Whitacre, James F 764, 1245 Wical, Robert L 880 Williams, Laurence L 127 Williams, M Henry Jr 449 Wilson, Edward 437 Wyka, Kenneth 573 Ziecheck, Harrel D 1009 Zorn, Eileen G 1095

Subject Index to Volume 26 (1981)*

 1-96 JAN
 297-400 APR
 617-704 JUL
 929-1040 OCT

 97-192 FEB
 401-504 MAY
 705-824 AUG
 1041-1208 NOV

 193-296 MAR
 505-616 JUN
 825-928 SEP
 1209-1368 DEC

Entries refer to articles or case reports unless otherwise identified.

AART = American Association for Respiratory Therapy AART 1980 Annual Convention scientific papers (report) 351

Abbreviations, How to type in manuscripts (special section) 167

Accident proneness 41

Accidental hypothermia 56

Accidents 41

Adenyl cyclase 228

Adrenergic receptors 228

Air entrainment masks for eye surgery 557

Airway obstruction 653, 739

Airway reactivity in asthma 739

Ambulatory care 1095

Analyzer, blood gas/pH, quality control 538

Answer key to self-evaluation examination 1005

ARDS = Adult respiratory distress syndrome

ARDS and Legionnaires' disease 875

Artificial nose (letter) 269

ASA (American Society of Anesthesiologists) 1980 meeting (report) 245

Ash, volcanic, Health effects of (report) 1161

Asthma 639, 739, 1091, 1095

Asthma, Methacholine challenge in 1091

Asthma, pediatrics, Acute management of 639

Asthmatic airway reactivity 739

Audio teaching of pulmonary auscultation 880

Audiovisual aids 880

Auscultation, pulmonary, Audio teaching of 880

Awards, Parke-Davis Literary, Winners of 1228

Awards, 3M Literary, Winners of 1227

Bed rest effect on physical condition (report) 1278

Blood gas analysis 175, 372, 538, 553, 578, 649, 754, 757, 857, 963

Blood-gas analyzer calibration and quality control 757

Blood gas/pH analyzer quality control 538

Book review: "Assessment of Pulmonary Function" 371

Book review: "Basic and Clinical Immunology" 791

Book review: "Blood Gases and Acid-Base Physiology"

Book review: "Body Fluids and Electrolytes: A Programmed Presentation" 371

Book review: "Cardiac Arrhythmias: Self-Assessment"

Book review: "Disorders of the Respiratory System" 574

Book review: "Isler's Pocket Dictionary of Diagnostic Tests, Procedures and Terms" 1321

Book review: "Principles and Practice of Blood-Gas Analysis" 372

Book review: "Respiratory Assessment Guide for Nurses" 905

Book review: "Respiratory Therapy: Basics for Nursing and the Allied Health Professions" 675

Book review: "The Pharmacology of Respiratory Care"

Book review: "The Physiology of Adequate Perfusion"
1007

Brain edema 754

^{*}The editors thank Robert R Fluck Jr RRT, Syracuse NY, for help in compiling this index.

Breathing training 130

Bronchial provocation tests 1091

Buyer's Guide 1283

Calibration, blood gas analyzer 754

Calibration of Radiometer heated tcPco2 electrode 553

Calibration techniques, tcPo2, wet and dry 649

Cannula, O2, causing dermatitis (letter) 679

Cannulas, nasal, and tracheal O2 (report) 245

Cardiopulmonary diagnostics 53, 175, 351, 356, 538,

547, 739, 860, 963, 983, 1091

Care, ventilatory, at home 1262

Case reports 53, 56, 130, 437, 442, 653, 875, 978

Catecholamines 228

Cells 228

Cerebral anoxia 754

Check valves, ventilator, faulty (letter) 1009

Checklist, management (special section) 173

Chest radiologic workup 255

Chylothorax causing neonatal respiratory distress 978

Cidematic washer tests of glutaraldehydes 1255

Cidex tested 1255

Clinical practice, adult 45, 56, 69, 127, 133, 221, 255, 430, 453, 537, 557, 655, 657, 739, 746, 767, 871, 880,

985, 987, 1269

Clinical research 45, 63, 220, 221, 245, 248, 553, 649, 737, 857, 860, 963, 991, 1089, 1095, 1255, 1269

Clinical trials 1095

CO₂ monitoring 553

Coccidioidomycosis 563

Colloid osmotic pressure quality-control product 983

Communicable disease control 127

Compliance, static total, and "best PEEP" (editorial) 637

Compliance, static total, determined by ventilator compliance 644

Compliance, ventilator, in determination of static total compliance 644

Computer-assisted instruction 547

Computer-generated displays for PFT 547

Contaminated equipment 53

Contamination from nebulizers (letter) 69

Continuous flow exhaust valve (letter) 269

COPD = Chronic obstructive pulmonary disease

COPD outpatient management, Role of IPPB in 1095

COPD, Sexual adjustment in 871

Cough as sign and symptom 767

Counseling 871

CPAP = Continuous positive airway pressure

CPAP 754

CPAP device, new 133

CPR = Cardiopulmonary resuscitation

CPR training (report) 246

CPT = Chest physical therapy

CPT by respiratory therapists (point of view) 655

CPT's scientific status (point of view) 657

Critical care; adult 45, 56, 69, 130, 133, 221, 246, 248,

331, 333, 336, 427, 437, 442, 449, 537, 553, 637, 639, 644, 649, 653, 739, 754, 763, 764, 875, 991.

Cuff, endotracheal tube, compresses tube lumen 653

Cuffs, endotracheal tube, Tracheal shape effect on 45

Cyclic AMP 228

Data collection 644 Data display 547

Decontamination 1255

Delivery of health care 430

Dermatitis from O2 cannulas (letter) 679

Diagnosis, computer-assisted 547

Diagnosis of asthma by methacholine challenge 1091

Disease, Lung cells and 997

Disease reservoirs 53

Disinfectants, glutaraldehyde, tested 1255

Education 228, 880, 1005

Education, patient 966

Electrode, heated tcPco2, calibration 553

Electromyographic feedback 130

Electronic rate monitors evaluated 221

Emergency medical services 333, 336

Emergency medicine 56

Endotracheal intubation 45, 331, 333, 336, 653

Endotracheal intubation by respiratory therapists (letter)

Endotracheal intubation—Who should do it? (editorial) 331

Endotracheal tube cuffs, Tracheal shape effect on 45

Endotracheal tube lumen compressed by cuff 653

Endotracheal tubes 45

Environmental exposure 127

Equipment and supplies problems (report) 1275

Euthanasia (point of view) 763, 764

Evaluation of electronic respiratory rate monitors 221

Examination, self-evaluation (exams & quizzes) 885

Examination, self-evaluation, answer key 1005

Exercise, graded (report) 352

Exercise testing (report) 351

Exercise testing, monitoring of tcPo₂ 963

Exhaled gases from ventilator redirected (letter) 577

Eye surgery, using air entrainment masks 557

Gas exchange in HFV (report) 250

Gas mixer, precision 757

Gas pipeline contamination (letter) 1009

Glutaraldehyde disinfectants tested 1255

Glutarex tested 1255

Graded exercise (report) 352

Gram-negative aerobic infection 127

Gram-negative oropharyngeal colonization in respiratory

therapists 127

GTP 228

Guanosine triphosphate 228

Hazard of ventilator rate-control change (letter) 363

Hazards 41, 53, 69, 339, 363, 577, 653, 679, 795, 1009

Hazards of bulk O2 systems 339

Hazards to patients related to job accidents 41

Head injuries 754

HFV = High frequency ventilation

HFV (report) 248

HFV during lobectomy 437

HFV via IMV Bird 442

High frequency alternating lung ventilation (report) 250

High frequency ventilation (editorial) 427

High frequency ventilation (report) 991

Home care 1262

Home care services 966

Home use of tcPo2 monitor (letter) 578

Home ventilator care 1262

Hormones 228

Hormones and the lung 660

Hospital respiratory therapy protocol 430

Humidifier, Servo (letter) 1010

Hypothermia 56

Hypothermia, accidental 56

IMV = Intermittent mandatory ventilation

IMV Bird used for HFV 442

IMV compared to SIMV (letter) 69

IMV controversy (points of view) 449, 450

IMV problems with MA-1, Preventing (letter) 795

IMV reservoir collapse monitoring (letter) 363

Infant care 35, 553, 978

Infant O₂ by nasal catheter 35

Infection 127

Interim airway, Use of Olympic Trach-Button as 1269

Intracranial pressure 754

Intracranial pressure, Effects of PEEP on 754

Intracranial pressure in HFV (report) 250

Intubation, emergency, Training respiratory therapists for

Intubation, endotracheal 45, 331, 333, 336, 653, 795

Intubation—Who should do it? (editorial) 331

IPPB = Intermittent positive pressure breathing

IPPB in COPD outpatients 1095

IPPB, NIH clinical trial of 1095

Journal name abbreviations (special section) 170

Journal, RESPIRATORY CARE, Changes planned in (editorial) 33

Learning 880

Legionnaires' disease and ARDS 875

Linear programming to determine combinations of shifts 1105

Liquid O2 systems hazards 339

Literary Award, Parke-Davis, Winners of 1228

Literary Awards, 3M, Winners of 1227

Lobectomy with HFV 437

Long-term care 1262

Lung cells and disease 997

Lung compliance 644

Lung diseases, obstructive 639

Lung expansion measures postoperatively (points of view) 985, 987

Lung in relation to hormones 660

Management of COPD outpatients, Role of IPPB in 1095

Management of personnel and health care delivery 41,

333, 336, 339, 354, 458, 537, 666, 966, 1105, 1253

Manuscript checklist, author's (special section) 173

Manuscript, model (special section) 141

Manuscript preparation (editorial) 125

Manuscript preparation (special section) 140

Manuscript referees, 1981, List of 1219

Masks, air entrainment, for eye surgery 557

Methacholine challenge in asthma 1091

Model manuscript (special section) 141

Monitor, tcPo2, Home use of (letter) 578

Monitoring collapsed IMV reservoir (letter) 363

Monitoring exercise testing 963

Monitoring, tcPo₂ 963

Monitoring, physiologic 221, 553

Monitoring, tcPo2, accuracy with anesthetics 857

Monitoring, tcPo2, accuracy with high levels of O2 857

Mount St Helens volcanic ash, Health effects of (report)

Mouth-breathing effect on nasal cannula oxygenation (report) 245

Multiple inert gas elimination technique (MIGET) 860

Muscle contractility 228

Myoelectric feedback 130

Nasal catheter O2 for infants 35

Nebulizers, Contamination from (letter) 69

Neonatal respiratory distress caused by chylothorax 978

Neonatology 35, 553

NIH = National Institutes of Health

NIH IPPB clinical trial 1095

Nocturnal O2 therapy (report) 63

Nonwheezing asthmatics 739

NOTT (see Nocturnal O2 therapy)

Nutrition and ventilatory drive (report) 246

Olympic Trach-Button evaluation 1269

Open Forum abstracts 1113

Open Forum, Value of (editorial) 1089

Operations research 1105

Oropharyngeal colonization with gram-negative bacilli in respiratory therapists 127

Osmotic pressure quality-control product 983

Outpatient management of COPD, Role of IPPB in 1095

Outpatients 1095

O2 by nasal catheter for infants 35

O₂ cannula causing dermatitis (letter) 679

O2 delivered by resuscitation bags (letter) 580

O₂ monitoring, transcutaneous 578, 649, 857, 963

O2 monitoring, transcutaneous, with anesthetics 857

O2 systems hazards 339

O2 therapy 35, 63, 245, 580

O2 therapy, nocturnal (report) 63

O2, tracheal, with nasal cannulas (report) 245

Parke-Davis Literary Awards winners 1228

Patient care planning 430, 966

Patient care team 966

Patient education 871, 966

Patient-hazard incidents related to job accidents 41

Patient participation 130

Pediatric asthmatic respiratory failure, Management of

Pediatrics 35, 553, 639

PEEP = Positive end-expiratory pressure

PEEP 754

PEEP, "best," and static total compliance (editorial) 637

PEEP effects on intracranial pressure 754

Perfusion 860

Perinatology-pediatrics 35, 553, 639, 978

Personnel, hospital 41, 127

Personnel management 41, 1105

Personnel staffing and scheduling 1105

PFT = Pulmonary function testing

PFT computer-generated displays 547

PFT equipment contamination (letter) 799

PFT standards (report) 356

Pharmacology 228

Phrenic nerve 130

Phrenic nerve stimulation 130

Physical condition, Effects of bed rest on (report) 1278

Physical therapy 130

Physician-therapist relationships (report) 354

Physiology 228

Physiology of HFV (report) 248

Pipeline gas contamination (letter) 1009

Planning, patient care 966

Planning, Management 1105

Postoperative care 133

Positive pressure respiration 133

Postoperative tidal volumes, Improving (points of view)

Practitioners, respiratory care, Shortage of (editorial) 1253

Productivity 1105

Professional-family relations 871

Professional-patient relations 871

Programming, linear, to determine combinations of shifts 1105

Protein kinase 228

Protocol for hospital respiratory therapy 430

Psychological adaptation 871

Pulmonary circulation 860

Pulmonary function testing equipment 53

Pulmonary rehabilitation (editorial) 961

Pulmonary rehabilitation programs 966

Radiologic chest workup 255

Radiometer heated tcPco2 electrode calibration 553

Rate change prevention in ventilator (letter) 577

Rate control change hazard in ventilators (letter) 363

Rate, respiratory monitors evaluated 221

Regional blood flow 860

Rehabilitation programs, pulmonary 966

Rehabilitation and continuing care 63, 130, 871, 961, 966, 1095, 1262

Rehabilitation, pulmonary (editorial) 961

Reimbursement of respiratory therapy services (guidelines & statements) 666

Research and respiratory therapists (editorial) 220

Research in respiratory care (editorial) 737

RESPIRATORY CARE journal changes planned (editorial) 33

Respiratory care practitioners, Shortage of (editorial) 1253

Respiratory care research (editorial) 737

Respiratory care team (editorial) 537

Respiratory distress, neonatal, caused by chylothorax 978

Respiratory failure in pediatric asthma, Acute management of 639

Respiratory function tests 644, 860

Respiratory rate monitors, electronic, evaluated 221

Respiratory therapists administering CPT (point of view) 655

Respiratory therapists and research (editorial) 220

Respiratory therapists' team role (letter) 1009

Respiratory therapists, training of, for emergency intubation 333

Respiratory therapy protocol 430

Respiratory therapy services, Reimbursement of (guidelines & statements) 666

Respiratory therapy services, Review of (technical assistance document) 459

Respiratory therapy: State of the art 747

Respiratory tract infections 127

Rest, bed, effects on physical condition (report) 1278

Resuscitation 333, 336, 580, 763, 764; 1231-1248 (let-

Resuscitation bags O2 delivery (letter) 580

Review of respiratory therapy services (technical assistance document) 459

Role, team, of respiratory therapists (letter) 1009

Quality control 754

Quality control, Blood gas analyzer 754

Quality control of blood gas/pH analyzers 538

Quality-control product for colloid osmotic pressure 983

Self-evaluation examination 885

Self-evaluation examination answer key 1005

Services, respiratory therapy, Reimbursement of (guidelines & statements) 666

Servo humidifier (letter) 1010

Sex disorders 871

Sex education 871

Sexual adjustment in COPD 871

Shift combinations, efficient, Use of linear programming to determine 1105

Shortage of respiratory care practitioners (editorial)

1253

Siemens Servo humidifier (letter) 680

SIMV = Synchronized intermittent mandatory ventila-

SIMV compared to IMV (letter) 69

Smoking habits of hospital personnel (letter) 795

Sonacide tested 1255

Spinal cord injuries 130

Spirometry 547

Staffing and scheduling, Personnel 1105

Standards, PFT (report) 356

Static total compliance and "best PEEP" (editorial) 637

Static total compliance determined by ventilator compliance 644

Stress testing (report) 352

Surgery, eye, using air entrainment masks 557

Symbols, how to type, in manuscripts (special section)

tcPco₂ = Transcutaneous partial pressure of carbon dioxide

tcPco2 heated electrode calibration 553

tcPo₂ = Transcutaneous partial pressure of oxygen

tcPo2 accuracy with anesthetics 857

tcPo2 accuracy with high levels of O2 857

tcPo₂ monitor home use (letter) 578

tcPo₂ monitoring 963

tcPo2 wet and dry calibration correlation 649

Teaching 880

Teaching materials 880

Team, patient care 966

Team, respiratory care (editorial) 537

Team role of respiratory therapists (letter) 1009

Testing, exercise (report) 351

Testing, stress (report) 352

3M Literary Awards winners 1227

Therapeutics 35, 56

Therapist-physician relationships (report) 354

Tidal volume, postoperative, Improving (points of view) 985, 987

Tonometry 757

Trachea 45

Tracheal O2 with nasal cannulas (report) 245

Tracheal shape effect on endotracheal tube cuffs 45

Tracheostomy button evaluation 1269

Tracheostomy tube removal followed by tracheostomy button use 1269

Training in CPR (report) 246

Training respiratory therapists for emergency intubation

Transcutaneous CO2 monitoring 553

Transcutaneous O2 monitoring 649

Tube cuffs, endotracheal, Effect of tracheal shape on 45

Tuberculin test 53

Tuberculosis 53

Tuberculosis injection transmission by PFT equipment questioned (letter) 682

Tubes, endotracheal 45

Utilization review (technical assistance document) 459

Ventilation, high frequency (editorial) 427

Ventilation, high frequency (report) 991

Ventilation, high frequency, during lobectomy 437

Ventilation-perfusion ratio distribution 860

Ventilator care at home 1262

Ventilator check valves, faulty (letter) 1009

Ventilator compliance in determination of static total compliance 644

Ventilator exhaled gases redirected (letter) 577

Ventilator inadvertent rate change prevention (letter) 577

Ventilator rate control change hazard (letter) 363

Ventilatory drive and nutrition (report) 246

Videotape review: "Videotape Series for the MA-1 Ventilator" 375

Volcanic ash, Health effects of (report) 1161

Wheezing in asthma 739

Word usage (special section) 169